



A.D. 1875, 30th OCTOBER. N° 3774.

Adapting Artificial Teeth.

LETTERS PATENT to George Horatio Jones, No. 57, Great Russell Street, in the Parish of Bloomsbury, in the County of Middlesex, for the Invention of “**AN IMPROVED METHOD OF PAINLESSLY ADAPTING ARTIFICIAL TEETH BY ATMOSPHERIC PRESSURE.**”

Sealed the 18th February 1876, and dated the 30th October 1875.

PROVISIONAL SPECIFICATION left by the said George Horatio Jones at the Office of the Commissioners of Patents, with his Petition, on the 30th October 1875.

I, GEORGE HORATIO JONES, No. 57, Great Russell Street, in the Parish
5 of Bloomsbury, in the County of Middlesex, do hereby declare the nature of the said Invention for “**AN IMPROVED METHOD OF PAINLESSLY ADAPTING ARTIFICIAL TEETH BY ATMOSPHERIC PRESSURE,**” to be as follows :—

The object of this Invention is to fix firmly by atmospheric pressure in the mouth an artificial set of teeth by means of a valve which is
10 inserted in the artificial palate, by which is maintained a vacuum caused by depression of the tongue. One form of this valve I make by fastening a strip of spring metal, preferably of gold, say half an inch long by

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sixteenth of an inch wide, by a rivet at one end to the artificial palate, which is countersunk to receive it on the side of the spring next the palate. A piece of india-rubber or any other substance answering the same purpose is attached so as to cover an aperture or hole previously made in the artificial palate, by which means the re-entrance of air is 5 prevented. This arrangement constitutes the most simple form of valve for this purpose.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said George Horatio Jones in the Great Seal Patent Office on the 21st February 1876. 10

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, GEORGE HORATIO JONES, of No. 57, Great Russell Street, in the Parish of Bloomsbury, in the County of Middlesex, Surgeon Dentist, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her 15 Letters Patent, bearing date the Thirtieth day of October, in the year of our Lord One thousand eight hundred and seventy-five, in the thirty-ninth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said George Horatio Jones, Her special licence that I, the said George Horatio Jones, my 20 executors, administrators, and assigns, or such others as I, the said George Horatio Jones, my executors, administrators, and assigns, should at any time agree with and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United 25 Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for “**AN IMPROVED METHOD OF PAINLESSLY ADAPTING ARTIFICIAL TEETH BY ATMOSPHERIC PRESSURE**,” upon the condition (amongst others) that I, the said George Horatio Jones, my executors or administrators, by an instrument in writing under my, or their, or 30 one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent. 35

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NOW KNOW YE, that I, the said George Horatio Jones, do hereby declare the nature of the said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 The object of this Invention is to fix firmly and painlessly by atmospheric pressure an artificial set of teeth in the mouth, which is effected by means of a suction valve. One form of this valve I make by fastening a strip of spring metal (preferably of gold), say half an inch long by one-sixteenth of an inch wide (according to the palate) by
10 a rivet at one end to the artificial palate, which is countersunk to receive it. On the side of the strip of metal next the artificial palate a thin piece of india-rubber or any other substance answering the same purpose is attached, so as to cover a circular (or of any desired shape) aperture or hole about one thirty-second of an inch in diameter previously
15 made in the artificial palate, by which means the re-entrance of air is prevented. This arrangement constitutes the most simple form of a valve for this purpose.

The denture having been placed in the mouth a slight depression of the tongue exhausts the air between the natural and artificial palates,
20 thus causing a vacuum which is sufficient to firmly fix the denture in the mouth.

In witness whereof, I, the said George Horatio Jones, have here-
unto set my hand and seal, this Fifth day of February, in the
year of our Lord One thousand eight hundred and seventy-six.

25
GEO. H. JONES. (L.S.)

Witness,

R. G. WHITE,

3, Edith Grove,

London,

30
S.W.

LONDON:

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